



1, Erumpent pseudothecia on stalk of *Rumex acetosella* L., $\times 40$; 2, setae, $\times 470$; 3, section through pseudothecium, $\times 470$; 4, seta; 5, ascus and portion of pseudoparaphysis; 6, ascospores. 4-6, scale = $10\mu\text{m}$. 1-3, DAOM 34151; 4-6, 74341(b).

Venturia canadensis Barr, Can. J. Bot. 46: 818. 1968.

PSEUDOTHECIA subepidermal, erumpent, often appearing superficial, globose or nearly so, occasionally flattened, $85\text{-}130\text{-}(150)\mu\text{m}$ diam., black, setose; ostiole $15\text{-}30\mu\text{m}$ across. Pseudothecium wall thin, $7.5\text{-}12\mu\text{m}$ thick, consisting of 2 or 3 layers of dark brown angular cells up to $6\mu\text{m}$ wide. **SETAE** present on upper half of pseudothecium, especially around ostiole, often recurved, dark brown, septate, up to $100\mu\text{m}$ long, acutely pointed, $4\text{-}7.5\mu\text{m}$ wide near the base; base bulbous, up to $10\mu\text{m}$ wide. **PSEUDOPARAPHYSES** hyaline, septate at intervals of $2\text{-}10\mu\text{m}$, $1\text{-}2\mu\text{m}$ wide, branching and anastomosing, persisting at maturity. **ASCI** bitunicate, almost cylindrical, usually wider in lower half, $35\text{-}52 \times 9.5\text{-}14\mu\text{m}$. **ASCOSPORES** pale green or yellowish, obovoid, $12\text{-}15.5\text{-}(16.5) \times 4.5\text{-}6.5\mu\text{m}$, equilateral to slightly inequilateral, ends rounded, 1-septate just below the middle, only slightly constricted at the septum; upper cell broader; lower cell narrower and tapering to base; wall smooth; biseriate in the ascus.

SUBSTRATE: Overwintered leaves and stalks of *Rumex acetosella* L.

DISTRIBUTION: Quebec, British Columbia.

COLLECTIONS: **Que.**, Mt. Albert, 10 July 1957, DAOM 74341(b) (M.E. Barr 2004, part of type deposited in DAOM) (H.E. and M. E. Bigelow). **B.C.**: Mt. Seymour, 3 June 1951, U.B.C. 1934 (M.E. Barr); Bennett, 13 July 1949, DAOM 34151 (U.B.C. 1935) (D.A. Mitchell).

NOTES: No anamorph has been described for *V. canadensis* (M.E. Barr, 1968, op. cit.; A. Sivanesan, *Biblioth. Mycol.* 59: 44. 1977) nor did we observe a possible anamorph in the collections cited above. Our description agrees closely with that of Barr (op. cit.) but we did not observe the finely roughened wall of the mature ascospores described by this author. Another species, *Venturia rumicis* (*Fungi Canadenses* No. 181) also occurs on *Rumex*. The setose, almost totally erumpent pseudothecia and the smaller asci and ascospores of *V. canadensis* distinguish this species from *V. rumicis*.

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